

CUBIT Capability Proposal

Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead

Cubit Developer in charge of technical area

Geometry	Byron Hanks
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MRD Description

Describe the capability in terms of how a user would see it.

Enhance paver robustness when paving composite surfaces with significant discontinuities.

SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

There are two ends from which this can be approached.

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| <ol style="list-style-type: none">1. Modify the composite surface evaluator to return evaluations that will allow the paver to succeed.2. Modify the paver to handle discontinuities better. |
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Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

The paver currently has trouble with composite surfaces with significant discontinuities. As composite surfaces are used more frequently this will become more and more of an issue. It is proposed that work be spent both on enhancing the paver's capabilities and also enhancing the composite surface evaluator.

This capability would have possible overlap with the Goodyear needs.
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Resources

Who will work on this

Time estimate

How much time will it take in man-weeks

Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

?	3 man months	10.2
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Submitted By:

Brett Clark	24-March-2006
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